

**ABSTRACT OF THE DISCLOSURE**

A novel microorganism producing a nontoxic, non-antigenic exopolysaccharide is taught. The exopolysaccharide has neutral sugars migrating at the same rate as mannose, fucose, fructose and galactose, acidic sugars migrating at the same rate as fucose and amine sugars migrating at the same rate as glucose and fucose, and wherein the ratio of galactose:fucose:glucose:mannose is about 1:2:3:6. The microbe and the exopolysaccharide have uses as a biofilm in geologic applications and have several consumer uses as food and drug polymers and use as a plasma extender.